

WHAT IS CLAIMED IS

1. Method for measuring the flatness of metal strip or of the end face of the coil when coiling strip, wherein
  - a line pattern (2) is produced on the measurement surface (4) by means of a projector and
  - is detected directly by a camera (5)
2. Method as claimed in claim 1, wherein the line pattern (2) is compared by computer with a reference pattern after its detection by the camera (5).
3. Method as claimed in claim 1 or claim 2, wherein the measured values are used for control of a finishing train.
4. Rolling mill train comprising a finishing stand (6), a strip cooling line (8), a coiler (7) and measuring means located before and after the strip cooling line for measuring the strip flatness, which is coupled with the means for controlling the finishing stand (6), the strip cooling line (8) and the coiler (7).
5. Rolling mill train as claimed in claim 4, wherein the flatness of the strip is detected in the run-out from the finishing line (6) and evaluated for control of the last stands of the finishing rolls, and the measured values of the flatness measurement are used to modify the flatness after the strip cooling stage (8) and before the coiler (7).
6. Rolling mill train as claimed in any one of claims 1 to 5 wherein, using the measured values detected after the strip cooling line (8), a first secondary control loop (11) is produced which permits the intended value for the cooling line (8) to be adapted.

7. Rolling mill train as claimed in any one of claims 1 to 6 wherein, using the measured values detected after the strip cooling stage (8), a second secondary control loop (12) is produced which permits the intended value for the coiler tension (7) to be adapted.